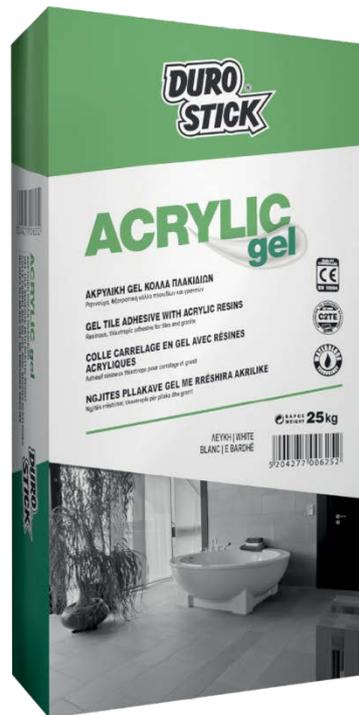


ACRYLIC GEL



Resinous, thixotropic adhesive for tiles and granite



■ PROPERTIES

High-performance, and multipurpose cementitious white GEL adhesive for tiles and granite. With strong adhesion, zero slip, and extended open time for both installations and minor adjustments, it provides high initial and final bonding strength. Fine-grained, its composition contains special additives and advanced new technology resins that give the mixture excellent thixotropy, for effortless installations. Classified C2TE per EN 12004.

■ ADVANTAGES

- Excellent adhesion - airy mixture.
- Excellent workability and ease of application.
- Stability - retention of volume.
- Zero shrinkage.
- Installation of tiles of all types and sizes, on a variety of substrates.

- Tile installation to walls, starting from top down, without slip.
- Application in thicknesses from 2mm to 20mm. It can also be used for repairs or smoothing the substrate, before installing tiles.
- Resistant to moisture, frost and stress (after curing).

■ APPLICATIONS

ACRYLIC GEL adhesive is suitable for tile linings of all types and sizes, even of low absorbency, on cement floor screeds, plastered walls and all common, stable substrates. Also suitable for installing granite, glass mosaic, cotto, klinker, porcellanato, porcellanato smaltato, etc.

Use it on interior and exterior applications. The addition of DUROSTICK ACRYLIC EMULSION into the mixing water, in a ratio of 1:1, improves its

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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technical characteristics in order to meet the requirements of S1 class (deformable adhesive), per EN 12002.

The improved adhesive is suitable for highly demanding applications that require durability (intense vibrations, expansions and contractions, tile over tile, etc.).

■ USE

1. Surface preparation

The application surface has to be sound, clean, free of loose sections, dust, paint, grease and oils. The surface has to be soaked before the application. It is necessary to prime all absorbent substrates and aircrete, using DUROSTICK ACRYLIC EMULSION or D-20, at a mixing ratio of 1:1 with water. It is necessary to prime all gypsum board and plaster surfaces, using the micromolar stabilizer, AQUAFIX or SOLVENT BASED PRIMER of DUROSTICK. Brittle floor cement screeds, lightweight or else, must necessarily be primed with ACRYLIC EMULSION or D-20 of DUROSTICK, at a mixing ratio of 1-part emulsion to 2-parts water or 1-part DUROMAX to 5 parts water. Smooth or non-absorbent surfaces, primed with quartz primer DS-290 of DUROSTICK. For balcony, terrace, bathroom and shower the application of HYDROSTOP FLOOR or D-1 FLEX will follow, at 2-3 successive, crosswise layers to ensure the waterproofing of the substrate.

2. Application

Empty the product into a clean container with cool water at a ratio of 25kg mortar to 7.5lt water for thixotropic adhesive or 25kg mortar to 8.5lt water for fluid adhesive. Mix with a low rpm electric drill until a lump free, homogeneous mass is created. Allow the mixture to mature for 5-10 minutes and mix periodically, without adding extra water. Apply the adhesive using a notched trowel, and spread on the substrate. Then, coat as much surface as is required to work for the next 15-30 minutes (depending on weather conditions), thus avoiding skin formation. Finally, install the tiles or other materials to be installed, in the selected position by tapping softly with a rubber mallet. The application of the adhesive in the case of medium or large size tiles is done by

the method of double coating (on the substrate, but also on the back of the tile).

■ NOTE

On exterior surfaces, it is highly recommended to create expansion joints every 16-20m². Prime the expansion joints with PRIMER-PU, to improve grip, fill them with the backer rod DS-265 of DUROSTICK, and seal them with the polyurethane sealant, DUROFLEX-PU. Following the same way, seal all the joints (5-8mm wide) at the junction of the tiles and vertical surfaces throughout the perimeter. Alternatively, the application of the sealant DS POLYMER, available in 32 colors (same ones with the grout colors of DUROSTICK), ensures sealing without cracking at the junction of the tiles with the skirting and above it as well. On floors with radiant heating systems, it is recommended to create expansion joints every 20m² and fill them with the sealant DS POLYMER, available in 32 colors.

■ CLEANING

Clean all tools with water, immediately after use.

■ CONSUMPTION

3-5kg/m², depending on the size of the notch of the trowel, the smoothness of the surface and the dimensions of the tiles.

■ STORAGE

Store in the factory sealed packaging, in dry and shaded places, for 12 months from production date.

■ PACKAGING

25kg paper bag on 1.200kg pallet

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TECHNICAL SPECIFICATIONS <i>(Measurement conditions 23°C and 50% R.H.)</i>	
■ Form - Color	Cementitious mortar - White
■ Bulk density of dry mortar	1,35±0,05kg/lt
■ Slip per EN 1308	< 0,1mm
■ Water requirement for	7,5lt water in 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -35°C to +90°C
■ Application thickness	Up to 20mm
■ Pot life	Approximately 5 hours*
■ Open time per EN 1346	30 minutes *
■ Time for minor adjustments	25 minutes *
■ Grouting	After 4-8 on wall, after 24 on floor
■ Foot traffic	After 24 hours
■ Delivery to use	Light traffic: 2-3 days, Heavy traffic: 5-7 days.

PRODUCT PERFORMANCES	
■ Adhesion strength, per EN 1348, after:	
• 28 days	1,60N/mm ²
■ Thermal ageing at +70°C	1,30N/mm ²
■ Water immersion for 21 days	1,10N/mm ²
■ 25 freeze - thaw cycles	1,30N/mm ²
* Varies due to weather conditions (temperature, humidity).	

NOTE: Exceeds the requirements of the C2 adhesive standard.

DUROSTICK S.A.
ASPROPYRGOS ATHENS PC:193 00
GREECE
22

DoP No.: 164
EN 12004:2007+ A1:2012

ACRYLIC GEL
Improved cementitious adhesive
with reduced slip and extended open time.
Interior - exterior use.

- Reaction to fire:	Euroclass A1
- Release of dangerous substances:	see MSDS

Bond Strength as:

- Tensile adhesion strength:	≥1.00 N/mm ²
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Durability for:

- Tensile adhesion strength after heat ageing:	≥1.00 N/mm ²
- Tensile adhesion strength after water immersion:	≥1.00 N/mm ²
- Tensile adhesion strength after freeze-thaw cycles:	≥1.00 N/mm ²

DUROSTICK S.A.,
MANUFACTURING OF ADHESIVES,
PAINTS & MORTARS
ATHENS: ASPROPYRGOS, ATTICA, GR: 193 00,
Tel: +30 211 60 03 500-599, +30 210 55 16 500,
+30 210 55 98 350, Fax: +30 210 55 99 612
THESSALONIKI: INDUSTRIAL PARK-SINDOS, S.B. 44,
STREET, DA 10, GR: 570 22, Tel: +30 2310 795 797,
+30 2310 797 365, Fax: +30 2310 797 367
Email: info@durostick.com

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